



Maine DEP Biological Monitoring Unit Stream Macroinvertebrate Field Data Sheet

Location: _____

Stressor: _____



Log Number _____ Directions _____ Type of Sample _____
Station Number _____ Date Deployed _____
Waterbody _____ Number Deployed _____
River Basin _____ Lat-Long Coordinates (WGS84, meters) _____ Date Retrieved _____
Municipality _____ Latitude _____ Number Retrieved _____
Stream Order _____ Longitude _____ Agency/Collector(s) _____

Note collectors for both put-in and take-out

1. Land Use (surrounding watershed) <input type="checkbox"/> Urban <input type="checkbox"/> Cultivated <input type="checkbox"/> Pasture <input type="checkbox"/> Upland hardwood <input type="checkbox"/> Upland conifer <input type="checkbox"/> Swamp hardwood <input type="checkbox"/> Swamp conifer <input type="checkbox"/> Marsh	2. Terrain (surrounding watershed) <input type="checkbox"/> Flat <input type="checkbox"/> Rolling <input type="checkbox"/> Hilly <input type="checkbox"/> Mountains	3. Canopy Cover (surrounding view) <input type="checkbox"/> Dense (75-100% shaded) <input type="checkbox"/> Partly open (25-75% shaded) <input type="checkbox"/> Open (0-25% shaded) (% daily direct sun) _____
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4. Physical Characteristics of Bottom (estimate % of each component over 12 m stretch of site; total = 100%)

[] Bedrock	[] Cobble (2.5" – 10")	[] Sand (<1/8")
[] Boulders (>10")	[] Gravel (1/8" – 2.5")	[] Silt-clay-muck (circle which)
		[] Detritus

5. Habitat Characteristics (immediate area)		Temperature Probe # _____ <input type="checkbox"/> deployed <input type="checkbox"/> retrieved	7. Water Samples <input type="checkbox"/> Standard <input type="checkbox"/> Metals <input type="checkbox"/> Pesticides Lab Number _____
Time _____ AM PM Wetted Width (m) _____ Bank Full Width (m) _____ Depth (cm) _____ Flow (cm/s) _____ Diss. O ₂ (ppm) _____ Temp (°C) _____ SPC (µS/cm) _____ pH _____ DO Meter # _____ Cal? Y / N SPC Meter # _____ Cal? Y / N	Time _____ AM PM Wetted Width (m) _____ Bank Full Width (m) _____ Depth (cm) _____ Flow (cm/s) _____ Diss. O ₂ (ppm) _____ Temp (°C) _____ SPC (µS/cm) _____ pH _____ DO Meter # _____ Cal? Y / N SPC Meter # _____ Cal? Y / N		
6. Observations (describe) Fish _____ Algae _____ Macrophytes _____ Habitat quality _____ Dams/impoundments _____ Discharges _____ Nonpoint stressors _____ Other _____		8. Photographs	

9. Landmarks of Sampler Placement (illustrate or describe landmarks to be used for relocation)